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## NOTICE OF ALLOWANCE AND FEE(S) DUE

32605 7590 09/18/2009

Haynes and Boone, LLP IP Section 2323 Victory Avenue SUITE 700 Dallas, TX 75219 EXAMINER BRIGGS, NATHANAEL R

PAPER NUMBER

ART UNIT

DATE MAILED: 09/18/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,704	01/28/2005	Tae-Joon Kim	AB-1406 US	1873

TITLE OF INVENTION: LIQUID CRYSTAL DISPLAY DEVICE AND DISPLAY APPARATUS HAVING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	12/18/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence recorrespondence address as a propriate. All further correspondence defenses an appropriate. All further correspondence defenses as indicated unless corrected below or directed obspaces in Block 1 by (a) specification, a new correspondence address as a contract. Feel a DIDRESS. (in a new correspondence address as a contract. Feel a DIDRESS.) (in the contract of the propriate and the propriate an

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		Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mus have its own certificate of mailing or transmission.					
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Haynes and Bo IP Section 2323 Victory A				I her State addre trans	eby certify that this is Postal Service wit essed to the Mail S mitted to the USPTO	Fee(s) Transmittal is being h sufficient postage for fir stop ISSUE FEE address O (571) 273-2885, on the	smission g deposited with the United rst class mail in an envelope above, or being facsimile date indicated below.
SUITE 700 Dallas, TX 7521	10						(Depositor's name)
Dunis, 171 /02/							(Signature)
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APPLICATION NO.	FILING DATE	.	FIRST NAMED INVEN	TOR	/	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			A. Payment of Fec(s): (Please first reapply any previously paid issue fee shown above)     A check is enclosed.     Payment by credit card. Form PTO-2038 is attached.     The Director is hereby suthorized to charge the required fee(s), any deficiency, or credit any everypowned, to Depoid Account Number (calcion an extra copy of this form).				
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



# UNITED STATES PATENT AND TRADEMARK OFFICE

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Haynes and Boone, LLP			BRIGGS, NATHANAEL R		
IP Section			ART UNIT	PAPER NUMBER	
2323 Victory Avenue SUTTE 700 Dallas. TX 75219			2871 DATE MAILED: 09/18/2009		

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

# Application No. Applicant(s) 10/522,704 KIM, TAE-JOON Notice of Allowability Examiner Art Unit NATHANAFI R BRIGGS 2071 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to amendments filed 01 June 2009. 2. The allowed claim(s) is/are 1-3 and 6. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some\* c) ☐ None of the: a) 🔯 All 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). \* Certified copies not received: \_\_\_\_\_. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

/Nathanael R Briggs/ Examiner, Art Unit 2871

Paper No./Mail Date

of Biological Material

Information Disclosure Statements (PTO/SB/08).

4. T Examiner's Comment Regarding Requirement for Deposit

7. T Examiner's Amendment/Comment

9. ☐ Other .

8. X Examiner's Statement of Reasons for Allowance

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### DETAILED ACTION

# Allowable Subject Matter

- Claims 1-3 and 6 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: Claim 1 recites a liquid crystal display device comprising a liquid crystal panel, a back light assembly, a receiving container having sidewalls and a bottom plate, the bottom plate having a plurality of sockets recessed toward the liquid crystal panel from a bottom surface of the bottom plate, the sockets each having different diameters including a small diameter entrance portion, and a bottom pan receiving the receiving container and having projecting plugs each having a substantially curved shape portion receivable into the sockets. None of the prior art of record alone or in combination discloses the claimed invention.
- 3. Ryu (US 2002/0054249) discloses a liquid crystal display device comprising a liquid crystal panel, a back light assembly, a receiving container having sidewalls and a bottom plate, the bottom plate having. However, Ryu does not disclose a plurality of sockets recessed toward the liquid crystal panel from a bottom surface of the bottom plate, the sockets each having different diameters including a small diameter entrance portion, and a bottom pan receiving the receiving container and having projecting plugs each having a substantially curved shape portion receivable into the sockets, nor would it have been obvious to do so in combination.
- Kim et al. (US 2005/0168930) discloses a liquid crystal display device comprising a liquid crystal panel, a back light assembly, a receiving container having sidewalls and

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a bottom plate having projecting plugs each having a substantially curved shape portion receivable into the sockets, the bottom plate having a plurality of sockets recessed toward the liquid crystal panel from a bottom surface of the bottom plate. However, *Kim* does not disclose a bottom pan receiving the receiving container, or wherein the sockets each having different diameters including a small diameter entrance portion, nor would it have been obvious to do so in combination.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NATHANAEL R. BRIGGS whose telephone number is (571)272-8992. The examiner can normally be reached on 9 AM - 5:30 PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nathanael Briggs 9/15/2009

/David Nelms/ Supervisory Patent Examiner, Art Unit 2871